

WHAT IS CLAIMED IS:

- 1                   1.       A quick disintegrating tablet in buccal cavity, said quick disintegrating  
2 tablet comprising:
  - 3                   a) a plurality of drug-containing particles, wherein each particle comprises a  
4 bitter tasting drug and/or a drug of inferior fluidity and a pharmaceutical preparation carrier,  
5 wherein each particle has a mean diameter of approximately 50 to approximately 250  $\mu\text{m}$  and  
6 an apparent specific gravity of approximately 0.5 to approximately 1.2; and  
7                   b) a saccharide.
- 1                   2.       The quick disintegrating tablet in buccal cavity of claim 1, wherein the  
2 drug of inferior fluidity has an angle of repose of  $41^\circ \sim 90^\circ$ .
- 1                   3.       The quick disintegrating tablet in buccal cavity of claim 1, wherein the  
2 pharmaceutical preparation carrier is 1 or 2 or more selected from the group consisting of  
3 water-insoluble polymers, gastrosoluble polymers, enterosoluble polymers, wax-like  
4 substances and saccharides.
- 1                   4.       The quick disintegrating tablet in buccal cavity of claim 3, wherein the  
2 pharmaceutical preparation carrier is a water-insoluble polymer.
- 1                   5.       The quick disintegrating tablet in buccal cavity of claim 4, wherein the  
2 water-insoluble polymer is a water-insoluble cellulose ether or a water-insoluble acrylic acid  
3 copolymer.
- 1                   6.       The quick disintegrating tablet in buccal cavity of claim 1, wherein the  
2 amount of pharmaceutical preparation carrier added is about 0.05 to about 3 parts by weight  
3 per 1 part by weight bitter tasting drug and/or drug of inferior fluidity.
- 1                   7.       The quick disintegrating tablet in buccal cavity of claim 1, wherein the  
2 saccharide is a granulation product obtained by spraying to coat and/or granulate a saccharide  
3 of low moldability using a saccharide of high moldability as a binder.
- 1                   8.       The quick disintegrating tablet in buccal cavity of claim 7, wherein the  
2 saccharide of low moldability is 1 or 2 or more selected from the group consisting of lactose,  
3 mannitol, glucose, sucrose, xylitol, and erythritol.

1                   9.       The quick disintegrating tablet in buccal cavity of claim 7, wherein the  
2       saccharide of high moldability is 1 or 2 or more selected from the group consisting of  
3       maltose, maltitol, sorbitol, trehalose, and lactosucrose.

1                   10.      The quick disintegrating tablet in buccal cavity of claim 1, wherein the  
2       mean particle diameter of the plurality of drug-containing particles is approximately 50  $\mu\text{m}$  to  
3       approximately 150  $\mu\text{m}$ .

1                   11.      The quick disintegrating tablet in buccal cavity of claim 1, wherein the  
2       apparent specific gravity of the plurality of drug-containing particles is approximately 0.5 ~  
3       approximately 1.

1                   12.      A drug-containing particle, wherein said drug containing particle has a  
2       mean particle diameter of approximately 50 to approximately 250  $\mu\text{m}$  and an apparent  
3       specific gravity of approximately 0.5 to approximately 1.2, and comprises a bitter tasting  
4       drug and a water-insoluble polymer.

1                   13.      A drug-containing particle, wherein said drug containing particle has a  
2       mean particle diameter of approximately 50 to approximately 250  $\mu\text{m}$  and an apparent  
3       specific gravity of approximately 0.5 to approximately 1.2, and comprises a drug of inferior  
4       fluidity and a saccharide.

1                   14.      A method for manufacturing a quick disintegrating tablet in buccal  
2       cavity, said quick disintegrating tablet comprising a drug and a saccharide, said method  
3       comprising the steps of:

4                   (a)      dissolving a bitter tasting drug and/or a drug of inferior fluidity and a  
5       pharmaceutical preparation carrier to form a mixture that is dissolved and suspended to  
6       approximately 30 to approximately 70 w/w% in terms of solid concentration in a solvent that  
7       is pharmaceutically acceptable to prepare a suspension for spray drying;

8                   (b)      spray drying said suspension using a rotating disk-type spray dryer,  
9       with the disk rotating at a speed of approximately 5,000 to approximately 15,000 rpm to  
10      prepare the drug-containing particles; and

11                  (c)      mixing the drug-containing particles with a saccharide to form a  
12      mixture that is molded.

1                    15.     The method for manufacturing a quick disintegrating tablet in buccal  
2 cavity of claim 14, wherein said saccharide is a granulation product obtained by spraying to  
3 coat and/or granulate a saccharide of low moldability using a saccharide of high moldability  
4 as a binder .

1                    16.     A method for manufacturing a quick disintegrating tablet in buccal  
2 cavity of claim 14 , wherein (d) the process of moistening and drying is further performed in  
3 succession to process (c) on the molding obtained under at least the pressure needed to retain  
4 tablet form.

1                    17.     The method for manufacturing a quick disintegrating tablet in buccal  
2 cavity of claim 14, wherein the solid concentration in step (a) is approximately 40 to  
3 approximately 70 w/w%.

1                    18.     The method for manufacturing a quick disintegrating tablet in buccal  
2 cavity of claim 14, wherein the rotating speed of the rotating disk in process (b) is  
3 approximately 6,000 to approximately 12,000 rpm.

1                    19.     The method for manufacturing a quick disintegrating tablet in buccal  
2 cavity of claim 14, wherein a bitter tasting drug and/or a drug of inferior fluidity whose  
3 particle diameter has been brought to approximately 5 to approximately 100  $\mu\text{m}$  is used in  
4 process (a).

1                    20.     A quick disintegrating tablet in buccal cavity, which is manufactured  
2 by the method of claim 14.